

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	FODSTAD et al.	Examiner:	Sisson, B.
Serial No.:	09/125,953	Group Art Unit:	1655
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Title:	IMMUNO-MAGNETIC CELL SEPARATION USED IN IDENTIFICATION OF GENES ASSOCIATED		

MARKED-UP COPY WITH REVISIONS TO THE CLAIMS SHOWN

6. (Amended) Method according to claim 5, [wherein] further comprising the step of cloning the extracted nucleic acids [are used for gene cloning purposes].
7. (Amended) Method according to claim 12, wherein the identification of differential gene expression is determined by differential display or subtractive hybridization [, or any other procedure that can be used to identify genes with differential expression].
8. (Amended) Method according to claim 7, wherein amplified cDNAs are obtained from malignant cells selected from the first and second tissues and are compared on sequencing gels, and wherein [interesting] site-specific or site-preferenced patterns revealing differential expression are sequenced and identified.
9. (Amended) Method according to claim 8, wherein the expression pattern of identified gene sequences are studied on material obtained from two or more [relevant] tumor sites.
12. (Amended) Method for identifying genes differentially expressed between cells isolated from different tissues, the method comprising:
- [A.] (A) detecting target cells from a first and a second tissue;
 - [B.] (B) obtaining nearly 100% specific target cells by repeatedly immunomagnetically isolating, *in vitro*, said first and second tissue target cells;
 - [C.] (C) determining levels of mRNA expression within said first and second tissue target cells;

[D.] (D) comparing the levels of mRNA expression in said first and second tissue target cells; and

[E.] (E) based upon the comparison in step D, identifying the genes differentially expressed between said first and second tissue target cells, wherein at least one of said first and second tissue target cells are tumor cells, in order to recognize previously unknown genes possibly involved in determining metastatic characteristics of cancer cells.